



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id

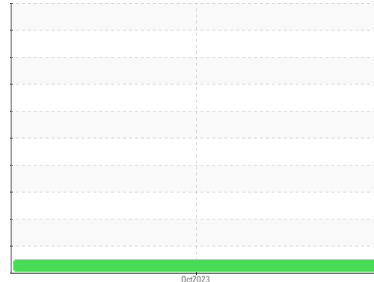
**445**

Component

**Transmission**

Fluid

**PETRO CANADA DURON UHP 5W30 (--- GAL)**



## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

Il n'y a aucun indice de contamination dans le fluide.

### Fluid Condition

Le AN est acceptable pour ce fluide. L'état de le fluide permet d'en prolonger l'utilisation.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0846898</b>	---	---
Sample Date	Client Info		<b>06 Oct 2023</b>	---	---
Machine Age	kms	Client Info	<b>426031</b>	---	---
Oil Age	kms	Client Info	<b>31088</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >200	<b>27</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >50	<b>11</b>	---	---
Lead	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >200	<b>4</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 0	<b>15</b>	---	---
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 64	<b>63</b>	---	---
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m) 1160	<b>1151</b>	---	---
Calcium	ppm	ASTM D5185(m) 820	<b>910</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1160	<b>1034</b>	---	---
Zinc	ppm	ASTM D5185(m) 1260	<b>1276</b>	---	---
Sulfur	ppm	ASTM D5185(m) 3000	<b>2680</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>5</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>3</b>	---	---

## INFRA-RED

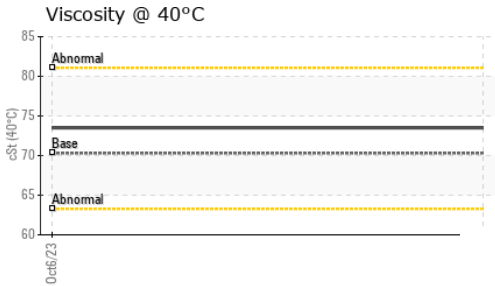
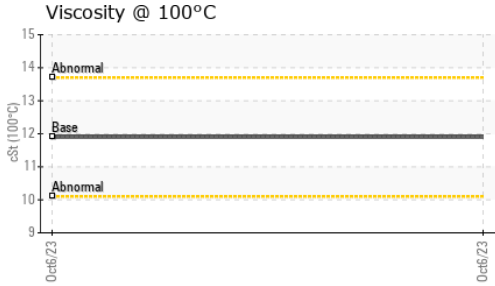
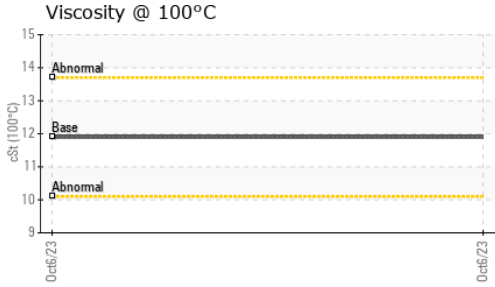
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	<b>0.5</b>	---	---
Nitration	Abs/cm	ASTM D7624*	<b>10.5</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	<b>22.8</b>	---	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	<b>20.1</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D974* 2.6	<b>3.49</b>	---	---



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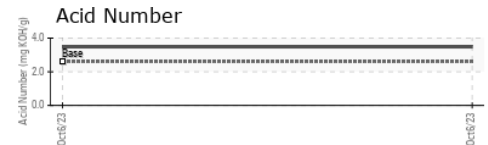
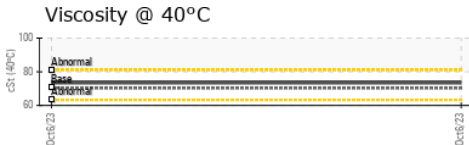
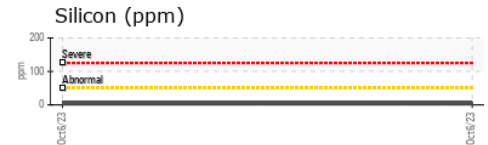
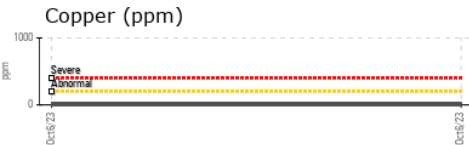
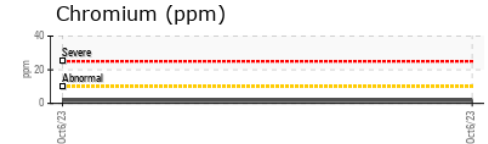
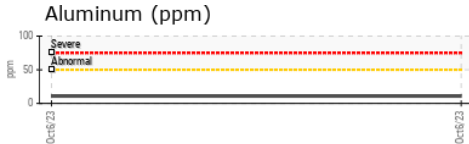
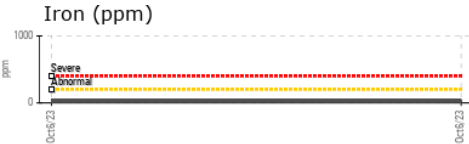
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	70.3	73.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.9	11.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	161	157	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0846898 **Received** : 24 Oct 2023  
**Lab Number** : 02591301 **Diagnosed** : 24 Oct 2023  
**Unique Number** : 5668380 **Diagnostician** : Wes Davis  
**Test Package** : MOB 2 ( Additional Tests: FT-IR, KV100, TAN Man, VI )

**Levis - Transport Laberge**  
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 Levis, QC  
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 Contact: Stephane Godbout  
 aviseur@transportlaberge.com  
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To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.